

TECHNICAL WORKGROUPS KICK-OFF MEETING

for Montgomery County's Climate Action Plan

WEDNESDAY, JULY 24, 2019, 4-6 PM

JOIN THE CONVERSATION! [#MCCLIMATEACTION](https://twitter.com/MCCLIMATEACTION)



AGENDA

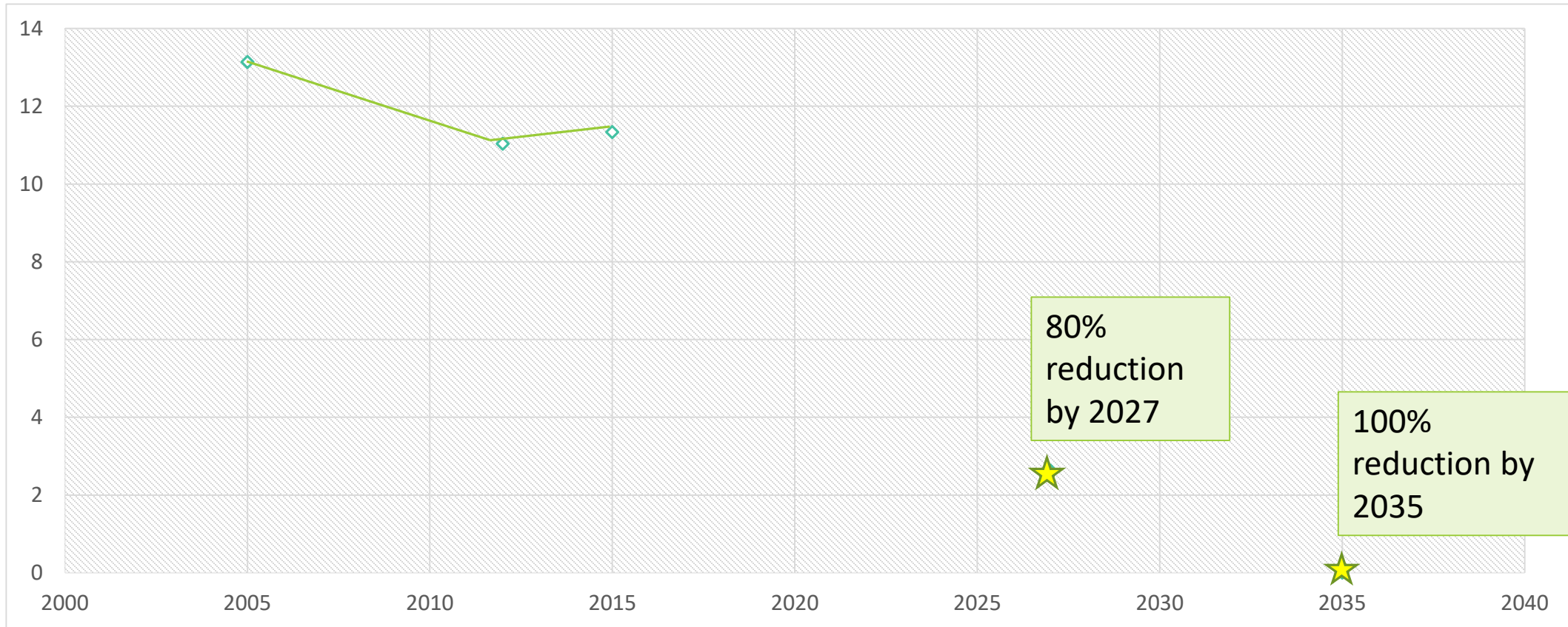
1. Welcome and introductions
2. GHG reduction goals and emissions inventory
3. County climate actions to-date
4. Plan development process and timeline
5. Workgroup logistics
6. Remarks by County Executive Elrich and Councilmember Hucker
7. Workgroup breakouts

Who's in the room (a sample)

- 350MoCo
- American Council for an Energy-Efficient Economy
- AstraZeneca
- Barnesville Green, Bethesda Green, One Montgomery Green, and Poolesville Green
- City of Rockville
- City of Takoma Park
- Montgomery County Departments of: Environmental Protection, General Services, Permitting Services, Transportation
- Electric Vehicle Association of Greater Washington DC
- George Mason University
- GRID Alternatives
- Maryland National Capital Park and Planning Commission
- Montgomery County Green Bank
- Montgomery County Public Schools
- National Rural Electric Cooperative Association
- Neighborhood Sun
- Standard Solar
- Tesla
- Montgomery College
- Sierra Club
- US Agency for International Development
- US Department of Commerce
- US Environmental Protection Agency

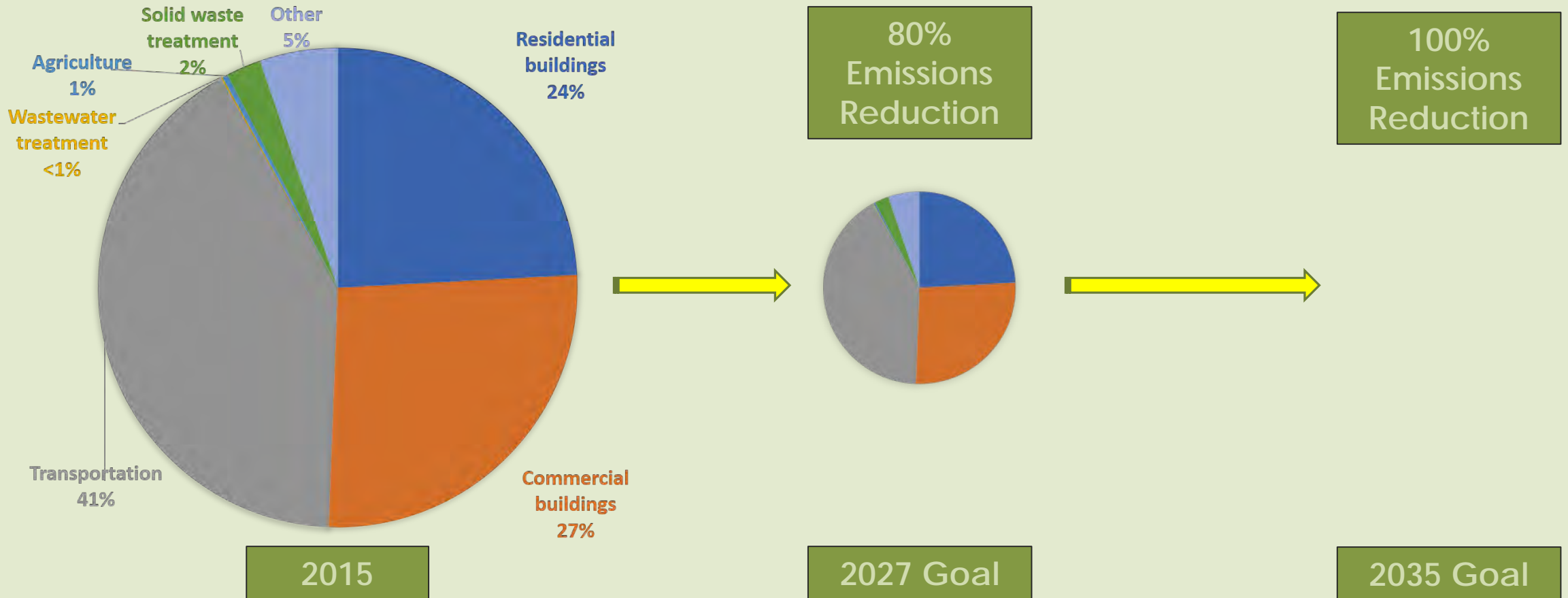
Countywide GHG Inventory

(annual million metric tons of CO₂e)

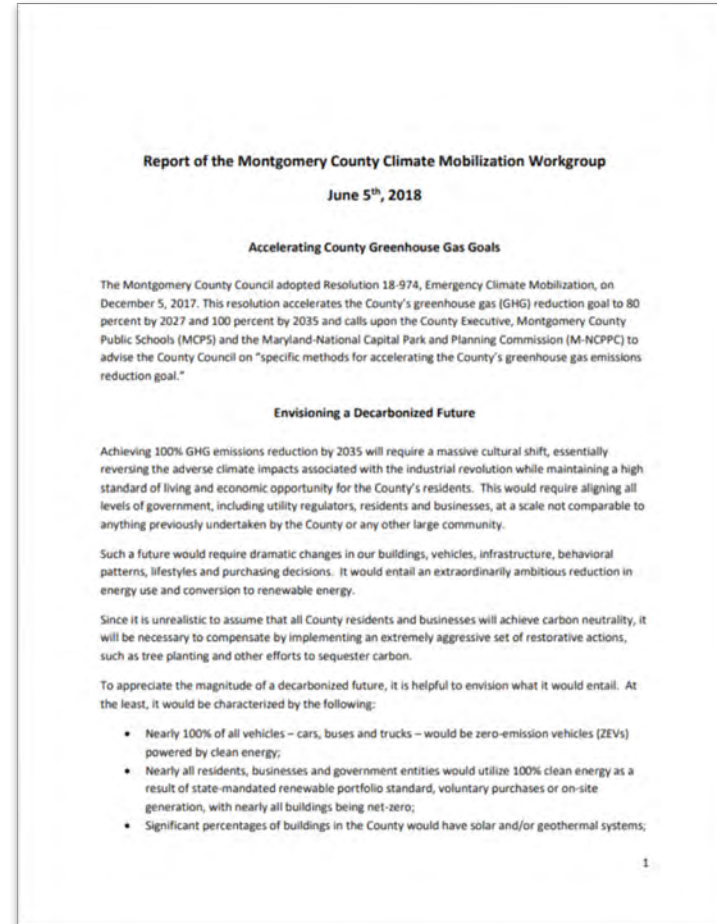
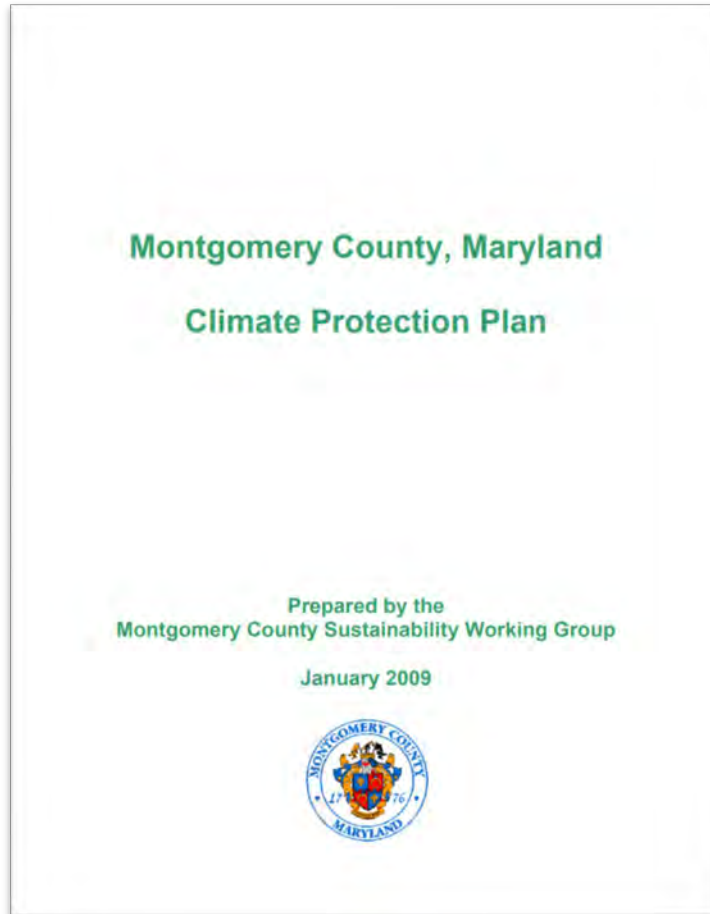


Source: Metropolitan Washington Council of Governments (MWCOG) Montgomery County GHG Inventory

Montgomery County Greenhouse Gas Emissions Profile



Previous Climate Plans & Reports



Buildings: Actions to-date

- County facility strategies for energy management and existing facility upgrades
- Energy efficiency/weatherization services to income-eligible households
- Energy efficiency incentives for limited-income multifamily communities
- Green building codes
- Sustainable commercial building tax credit incentive
- Building energy benchmarking program
- Commercial PACE financing
- Montgomery County Green Bank financial products
- Outreach and engagement on utility and state offered incentives and grants
- "Energy Coach Network" in development

Clean Energy: Actions to-date

- Expedited rooftop solar permitting and reduced permit fees for residential rooftop solar
- Permitting solar fields as accessory uses and zoning text amendments that reduce setbacks for solar
- Advocating for state legislation that supports long-term expansion of community solar.

At County Government facilities:

- Microgrids at Public Safety Headquarters and County Correctional Facility
- 17 solar projects totaling 7.6 MW
- Purchased 100% wind energy & clean energy RECs to offset fuel and energy consumption
- Installed solar powered on-street parking meters in all county parking lots
- Installed solar powered lights at 42 Ride-On bus shelters
- Surveyed all County-owned sites and identified possible solar sites, including surface parking lots, building roofs and solar pole lights

Transportation: Actions to-date

❖ Promoting Transportation Demand Management/Alternatives to Autos

- Ride On, Ride On ExtRa, Kids Ride Free, Seniors Ride Free
- FLASH bus service on Route 29 starting in 2020.
- Ride On Flex microtransit pilot
- Capital Bikeshare
- Dockless Vehicle Pilot Program
- Bus Rapid Transit Planning for: MD 355, New Hampshire Avenue, North Bethesda Transitway, Corridor Cities Transitway
- Implementing the Bicycle Master Plan
- Building new sidewalks and ADA ramps
- Bike/Pedestrian Safety Initiative, Vision Zero, LookOut Campaign, and Safe Routes to Schools, Green Street and low-impact design principles implemented in transportation projects

Transportation: Actions to-date

❖ Supporting use of Electric Vehicles

- Installed 32 electric vehicle charging stations in County garages
- Expedited permitting process for electric vehicle charging stations
- Reduced fees for residential EV permits
- Purchased 39 battery electric and 193 hybrid fleet vehicles
- Purchasing the County's first 14 zero-emissions electric buses and charging stations

Climate Action Plan Development

A roadmap to achieve carbon neutrality by 2035

Plan components will include:

- Prioritized actions— for mitigation and adaptation
- Implementation plan for actions
- Cost estimates and co-benefits
- Identification of equity challenges and opportunities

Step 1: Technical Workgroups

July to December 2019:

- Buildings
 - Co-facilitator: Lindsey Shaw, Manager, Energy and Sustainability Programs, Department of Environmental Protection
- Clean Energy
 - Co-facilitator: Adam Ortiz, Director, Department of Environmental Protection
- Transportation
 - Co-facilitator: Sandra Brecher, Chief, Commuter Services Section, Department of Transportation

October 2019 to early 2020:

- Climate adaptation/sequestration
- Community engagement/education
 - *Call for volunteers for these 2 Workgroups will go out later this summer.*

Role of the Technical Workgroups

- Review past County climate reports and plans and best practices from other jurisdictions to achieve deep carbon reductions;
- Recommend actions and innovative strategies that have high potential to meet the County's GHG reduction goals in an equitable manner;
- Begin identifying implementation steps for actions; and
- Identify metrics that can be tracked as well as data and knowledge gaps that could benefit from additional technical analysis.

Step 2: Consultant Technical Analysis

Consultant technical analysis

- County staff will draft scope of work based on data and knowledge gaps identified by workgroups.
- Potential scope *could* include:
 - measurement and modeling of the GHG reduction impacts of recommended actions
 - implementation plan for specific actions
 - climate change predictions for the County
 - vulnerability assessment
 - climate adaptation and resiliency strategies

Plan Development Timeline

Summer 2019 – Early 2020:	Workgroups convene and develop recommendations
Early 2020:	Public review of Workgroup recommendations
Early 2020 - Summer 2020:	Consultant technical analysis
Fall 2020:	Issue Draft Climate Action Plan and provide opportunities for public comment
December 2020:	Finalize Climate Action Plan

Schedule for Upcoming Workgroup Meetings

- Future workgroup meeting dates will be decided by each Workgroup with Doodle poll.
- We are exploring communications tools for Workgroup members to stay in touch between meetings.
- Upcoming workgroup meeting dates will be posted on the County's new Climate Change website:

montgomerycountymd.gov/climate

- For general questions, contact:

climate@montgomerycountymd.gov

Workgroup Discussion Ground Rules

- Share the airtime
- Constructively critique ideas, not people
- Listen to understand
- Stay present
- Safe space – Don't worry about what your boss may think
- Disclose any potential conflicts of interest
 - Each Workgroup can decide on additional ground rules/norms.
- Members of the public are welcome to listen and provide feedback at the end of the meeting

After Event Tonight

NETWORKING AT MCGINTY'S PUBLIC HOUSE

911 Ellsworth Drive

Remarks by County Executive Marc Elrich



Remarks by Councilmember Tom Huckler



Next Step: Breakout into Workgroups

Buildings:

- Next door in the Great Hall

Clean Energy:

- Table in the back of this room

Transportation:

- Next door in the Great Hall